

Safety Data Sheet

according to Regulation (EC) No. 1907/2006

S-Benzoyl-MAG-3

Print date: 01.03.2012

Product code: 7100

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SECTION 1: Identification of the substance/mixture and of the company/undertaking**Product name**

S-Benzoyl-MAG-3

Further trade names

Glycine, N-[N-[N-[(benzoylthio)acetyl]glycyl]glycyl];
N-(S-Benzoylmercapto)acetylglucylglycylglycine;
S-Benzoylmercaptoacetyltriglycine;
Betiatide; MP 600; BzSAc-Gly-Gly-Gly-OH;
S-Benzoyl-MAG-3

Use of the substance/mixture

Complexation agent for [99mTc]-Labelling

Details of the supplier of the safety data sheet

| | | |
|-----------------|---|------------------------------|
| Company name: | ABX advanced biochemical compounds | |
| | Biomedizinische Forschungsreagenzien GmbH | |
| Street: | Heinrich-Gläserstraße 10-14 | |
| Place: | D-01454 Radeberg | |
| Telephone: | +49 3528 4041 60 | Telefax: +49 3528 4041 61 |
| e-mail: | info@abx.de | |
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| e-mail: | mollitor@abx.de | |
| Internet: | http://www.abx.de | |

Emergency telephone: +49 3528 4041 60**SECTION 2: Hazards identification****Classification of the substance or mixture**

This substance is not classified as dangerous according to Directive 67/548/EEC.

GHS classification

This substance is not classified as dangerous according to Regulation (EC) No. 1272/2008.

Label elements**SECTION 3: Composition/information on ingredients****Substances**

| | |
|-------------------|---|
| Sum formula: | C ₁₅ H ₁₇ N ₃ O ₆ S |
| Molecular weight: | 367.38 |

SECTION 4: First aid measures**Description of first aid measures****General information**

Avoid contact with skin, eye and clothing.

After inhalation

Inhalation of dust may cause irritation of the respiratory system. Provide fresh air. In all cases of doubt, or when symptoms persist, seek medical advice.

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After contact with skin

After contact with skin, wash immediately with: Water. Change contaminated clothing. May cause an allergic skin reaction. If skin irritation or rash occurs: Get medical advice/attention.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

If swallowed, immediately drink: Water. Medical treatment necessary.

SECTION 5: Firefighting measures

Extinguishing media**Suitable extinguishing media**

Water spray. Foam. Extinguishing powder. Carbon dioxide (CO₂). ABC powder.

Special hazards arising from the substance or mixture

Can be released in case of fire: Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

Advice for firefighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Contaminated fire-fighting water must be collected separately. Do not empty into drains or the aquatic environment.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Wear personal protection equipment. Provide adequate ventilation. Avoid generation of dust.

Environmental precautions

Do not empty into drains or the aquatic environment.

Methods and material for containment and cleaning up

Collect mechanically. Treat the assimilated material according to the section on waste disposal.

SECTION 7: Handling and storage

Precautions for safe handling**Advice on safe handling**

Avoid contact with skin, eye and clothing. Do not breathe dust. In case of open handling equipment with built-in suction must be used.

Further information on handling

Do not eat, drink, smoke or sneeze at the workplace.

Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container dry. Keep container tightly closed.

Further information on storage conditions

storage temperature:
at °C: 2 –8
Protect against: Light.

SECTION 8: Exposure controls/personal protection

Control parameters

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Exposure controls

Protective and hygiene measures

Change contaminated clothing. Wash hands before breaks and at the end of work. When using do not eat or drink. Protect skin by using skin protective cream.

Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

Hand protection

Tested protective gloves are to be worn: Single-use gloves. NBR (Nitrile rubber).

Eye protection

Eye protection: Tightly sealed safety glasses.

Skin protection

Skin protection: Lab apron. Chemical resistant safety shoes.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | |
|-----------------|--------------------|
| Physical state: | solid |
| Colour: | colourless – white |
| Odour: | odourless |

Test method

Changes in the physical state

| | |
|----------------|--------------|
| Melting point: | 192 – 205 °C |
|----------------|--------------|

Flammability

| | |
|--------|--|
| Solid: | No ignition, explosion, self-heating or visible decomposition. |
|--------|--|

Auto-ignition temperature

| | |
|--------|--|
| Solid: | No ignition, explosion, self-heating or visible decomposition. |
|--------|--|

| | |
|-------------------|-----------|
| Water solubility: | insoluble |
|-------------------|-----------|

Other information

SECTION 10: Stability and reactivity

Chemical stability

Thermal decomposition can lead to the escape of irritating gases and vapours. Product can hydrolyse. Stated effect can be caused partly by decomposition products.

Possibility of hazardous reactions

Decomposition under formation of: Carbon dioxide (CO₂). Carbon monoxide. Nitrogen oxides (NO_x).

Conditions to avoid

Decomposition possible after prolonged exposure to light.

Incompatible materials

Oxidizing agents, strong. Light.

Hazardous decomposition products

Thermal decomposition can lead to the escape of irritating gases and vapours.

SECTION 11: Toxicological information

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Information on toxicological effects**Toxicocinetics, metabolism and distribution**

No information available.

Acute toxicity

Toxicological data are not available.

Specific effects in experiment on an animal

No information available.

Irritation and corrosivity

No information available.

Sensitizing effects

No information available.

Severe effects after repeated or prolonged exposure

Toxicological data are not available.

Carcinogenic/mutagenic/toxic effects for reproduction

Due to missing data no statement can be made about, whether the substance fulfills the criteria of CMR categories 1 or 2.

SECTION 12: Ecological information**Toxicity**

Toxicological data are not available.

Further information

Do not empty into drains or the aquatic environment. The classification was undertaken in accordance with the calculation method governed by the Preparations Directive (1999/45/EC).

SECTION 13: Disposal considerations**Waste treatment methods****Waste disposal number of waste from residues/unused products**

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

Waste disposal number of used product

160508 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; discarded organic chemicals consisting of or containing dangerous substances
Classified as hazardous waste.

Waste disposal number of contaminated packaging

150110 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); packaging containing residues of or contaminated by dangerous substances
Classified as hazardous waste.

SECTION 14: Transport information**SECTION 15: Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulatory information**

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SECTION 16: Other information